1. **The H2S, CO and SO2 data was collected using field instruments (AreaRae's) which provided continuous instantaneous values or readings.**
2. **The original goal for these 3 compounds, like for radiation and VOCs, was to establish baseline values representative of ambient air quality in the area of our monitors prior to construction activities. These baseline values would be used for comparison to values measured during construction to give an indication of whether readings during construction indicated releases as a result of the construction.**
3. **We were uncertain whether these instruments would provide data of sufficient quality for comparison to health based criteria, but did believe that they would meet the monitoring objective of collecting preconstruction baseline data. Due to the short timeline allotted to deploy the original monitoring network, this was the best air monitoring technology available to SUPR to field quickly.**
4. **What we have learned with regard to the instruments used to monitor H2S, CO and SO2**
    a. **The recommended calibration methods (including calibration gases) were not useful for our purpose.**
    b. **The instrument measurements appear to be periodically biased at times by activities happening near the monitor.**
    c. **Because the instruments were running continuously, they needed frequent adjustment, reset or replacement.**
    d. **The instrument picked up various sulfur containing compounds and reported them all as H2S. (This conclusion is supported by MDNR's experience and monitoring data.)**
5. **Conclusion, the data collected for these three compounds cannot be used to compare with health based criteria such as the National Ambient Air Quality Standards (NAAQS) or other standards.b**
6. **An accurate numerical baseline for each of these three compounds cannot be determined based on data we collected.**
7. **We will use our experiences over the past 6 months to optimize the instruments and methodology to be used for these three compounds during construction activities.**
8. **We have begun collecting information for these H2S using Radiellos which will collect 14 day average samples to be sent to a laboratory for analyses.**